

PATENT  
C4-1114 (AT 18)IN THE CLAIMS

1-88. (canceled)

89. (new) A security system comprising:

a camera configured to generate a video signal;

an object recognition system coupled to said camera and configured to receive said video signal and detect objects, said object recognition system providing an identification signal based on a detected object and initiating recording by a video recorder of a segment of said video signal corresponding to said detected object; and

a portable personal digital assistant (PDA) wirelessly coupled to said object recognition system and said camera, said PDA configured to receive said identification signal and in response thereto provide a command signal to retrieve said recorded video segment.

90. (new) The security system of claim 89 wherein said recorded video segment is recorded entirely before being retrieved by said PDA.

91. (new) The security system of claim 89 wherein said recorded video segment comprises a pre-recorded video segment with the recording of said a pre-recorded video segment ending prior to said PDA retrieving said pre-recorded video segment.

92. (new) The security system of claim 89 wherein said object recognition system is configured to provide an identification signal to said video recorder to initiate recording.

93. (new) The security system of claim 89 wherein said object recognition system is configured to provide an identification signal to said PDA and said PDA is responsive to said identification signal to provide an alarm signal.

PATENT  
C4-1114 (AT 18)

94. (new) The security system of claim 89 wherein said PDA comprises a display screen configured to display said video signal from said camera, said object recognition system is configured to provide an identification signal to said PDA and said PDA is configured to provide an alarm signal in response to said identification signal, wherein said alarm signal comprises a visual alarm output to said display screen of said PDA.

95. (new) The security system of claim 89 wherein said video segments corresponding to said detected object being recorded if a digital representation of said detected object is correlated with a stored object.

96. (new) The security system of claim 89 wherein said command signal is transmitted in response to a user input received by said PDA.

97. (new) The security system of claim 89 wherein said object recognition systems is configured to provide an indication to said PDA if the detected object is an authorized object.

98. (new) The security system of claim 89 wherein the object recognition systems is configured to provide an indication to said PDA if the detected object is an unauthorized object.

99. (new) The security system of claim 89 wherein said video recorder is wirelessly coupled to said PDA.

100. (new) The security system of claim 89 wherein said camera is directed to a surveillance area, and wherein said object recognition system comprises a computer configured to provide a detection signal in response to an object entering said surveillance area.

101. (new) The security system of claim 89 wherein said PDA comprises a display screen having a first area enabling viewing of both live video from said video signal and a second area enabling viewing of said recorded video segment.

PATENT  
C4-1114 (AT 18)

102. (new) A portable security device comprising:

a user input device;

a display screen configured to display security video signals;

a data collection device configured to collect non-image security data; and

a transmitter configured to communicate the collected non-image security data to an objection recognition system.

103. (new) The portable security device of claim 102 wherein said data collection device comprises a proximity card detector configured to collect said non-image security data and wherein said object recognition system is configured to correlate said non-image security data received from said proximity card detector with stored object information, and if a correlation is made to provide video to said PDA corresponding to the correlated stored objection information.

104. (new) The portable security device of claim 102 wherein said data collection device comprises a proximity card detector configured to collect said non-image security data and wherein said object recognition system is configured to correlate said non-image security data received from said proximity card detector with stored image information, and if a correlation is made to provide said image to said PDA for display.

105. (new) The portable security device of claim 102 further comprising a digital camera and wherein said data collection device comprises a proximity card detector configured to collect said non-image security data, said digital camera configured to acquire an image and wherein said object recognition system is configured to compare said non-image security data received from said proximity card detector and said image from said digital camera with stored

PATENT  
C4-1114 (AT 18)

image information, and if a correlation is made to provide a confirmation that a person corresponding to said image is authorized, otherwise to provide an unauthorized indication.

106. (new) The portable security device of claim 102 wherein said data collection device comprises one of a barcode scanner and a proximity card detector.

107. (new) The portable security device of claim 102 wherein said non-image security data comprises one of barcode information and security card information.

108. (new) The portable security device of claim 102 wherein said display screen comprises a first area enabling viewing of live security video signals and a second area enabling viewing of recorded security video signals.

109. (new) The portable security device of claim 102 wherein said display screen comprises a plurality of viewing areas enabling simultaneous viewing of said video signals and said non-video security data.

110. (new) The portable security device of claim 102 wherein said user input device is configured to receive an input from a user that causes the transmitter to transmit a request for a recorded security video signal from a wirelessly coupled video recorder.

111. (new) The portable security device of claim 102 further comprising an audio device configured to output an alarm signal corresponding to the security video signals.

112. (new) The portable security device of claim 102 wherein said display screen is configured to output a visual alarm to said display screen.

113. (new) The portable security device of claim 102 wherein said display screen comprises a data portion configured to display at least one of an image file of a known person and other data related to said person.

PATENT  
C4-1114 (AT 18)

114. (new) A method of providing security information, said method comprising:

generating live video of a surveillance area;

communicating said live video via a wireless connection to a portable personal digital assistant (PDA);

storing a segment of said live video when an object is detected in the surveillance area;

providing an identification signal to said PDA when said object matches a stored object;

and

communicating said stored video segment via the wireless connection to said PDA upon a request from said PDA based on said identification signal.

115. (new) The method of claim 114 further comprising:

detecting entry of said object into said surveillance area; and

providing an indication of said entry of said object into said surveillance area to said PDA.

116. (new) The method of claim 114 further comprising:

detecting entry of an object into said surveillance area; and

recording said live video in response to entry of said object into said surveillance area to create said recorded video segment.

117. (new) The method of claim 114 further comprising discarding said recorded video segment when said object does not match a stored object.

PATENT  
C4-1114 (AT 18)

118. (new) The method of claim 112 further comprising providing an image file representative of said object to said PDA.

119. (new) The method of claim 112 further comprising displaying simultaneously said live video and said recorded video segment on said PDA.

120. (new) The method of claim 112 wherein said PDA is responsive to said identification signal to provide an alarm signal and wherein said alarm signal is output on a display screen of said PDA.

121. (new) The method of claim 112 wherein said request from said PDA is initiated by a user input.

122. (new) The method of claim 112 further comprising providing said identification signal to said PDA when an image acquired by said PDA matches a stored image and validation data acquired by said PDA corresponds to said stored image.

123. (new) The method of claim 112 further comprising acquiring security badge information using said PDA and displaying an image of a person on said PDA corresponding to a stored object and associated with said security badge information.